

Information on Nicotine, by H. Weidel, 28 pp.

GERMAN, per, Ann Chemie, Vol CLXV, 1873,
pp 328-349.

S.L.A. Tr No 57-94

Sci - Chemistry, organic
Apr 57

46, 845

A-Alkylcinchonic Acids and A-Alkyl-
Quinolines, by O. Dobner.

GERMAN, per, Annalen der Chemie,
~~EXXXXXX~~ Vol CCXLII, 1887, pp 265-269.

CSIRO

Sci - Chem

Mar 62

188, 525

Information on Dinitro-p-Toluic Acids and Their
Derivatives, by Ad Claus, Curt Beysen, 2 pp.

GERMAN, per, Annalen der chemie, Vol CCLXVI, 1891,
pp 224-226.

SLA Tr/1443/56

Sci - Chem
Mar 57 CTS

45, 216

Nitro-Guanidine and Amido-Guanidine, by Johannes Thiele, 43 pp.

No 1,
GERMAN, per, Annalen der Chemie, Vol CCLXX, /1892,.

S.L.A. Tr 722/1955

Sci - Chemistry
Apr 1957 CTS/dex

50,318

The Chemistry of Cyanogens and Isocyano-
gens, by J. U. Nef.

GERMAN, per, Ann Chem, Vol 287, 1895,
pp 337-359.

NASA TT F-12,045

Sci-Chem

June 69

383,224

Traube, Wilhelm.
ON SYNTHESIS OF NITROGEN CONTAINING COM-
POUNDS WITH THE AID OF NITRIC OXIDE. 38p
26refs

Order from SLA \$3.60

TT-64-16064

Trans. of [Justus Liebig's] Annalen der Chemie,
(Germany) 1898, v. 300, p. 81-128.

(Chemistry--Organic, TT, v. 12, no. 6)

TT-64-16064

I. Traube, W.

Office of Technical Services

Part II. Some Alloys of Cerium and Lanthanum, by
W. Nuthmann, H. Beck, 9 pp.

GERMAN, per, Annalen der Chemie, Vol CXXXII, 1904,
pp 46-57. 9209185

AEC-Tr-5677

Sci - Mat & Met

Jul 63

236,169

Muthmann, W., Weiss, L., and Metzger, Josef.
EXPERIMENTS TO PREPARE METALS OF THE
RARE EARTHS AND EARTH ACIDS AND THE
APPLICATIONS THEREON. IV. ABOUT CALCIUM
METAL. [1963] 2p.

Order from SLA \$1.10

63-16175

Condensed trans. of excerpts from [Justus Liebig's]
Annalen der Chemie (Germany) [1905] v. 355,
p. 137-143.

DESCRIPTORS: *Calcium, Alkaline earth metals,
Reduction (Chemistry), *Potassium, *Sodium, Metals,
Aluminum, Chlorides.

(Chemistry--Inorganic, TT, v. 10, no. 6)

63-16175

I. Muthmann, W.
II. Weiss, L.
III. Metzger, J.
IV. Title: About ...

Office of Technical Services

On the Cupro-Compounds of Carbon Monoxide, by
W. Manchot, J. Newton Friend.
GERMAN, per, Annalen der Chemie, Vol 359, 1908,
100-128. P911097866
AEC ORNL-tr-1345

Sci/Chemistry
Ecc 66

514,628

Copper Compounds of Ethylene and Carbon Monoxide,
by W. Manchot, et al.
GERMAN, per, Ann. Chem., Vol 370, 1909, pp 286-296.
*AEC ORNL-tr-1346

Sci/Chemistry
Oct 66

Tetraphenylhydrazine and Hexaphenylatan, by
Heinrich Wieland. FOR OFFICIAL USE ONLY

GERMAN, per, Annalen der Chemie, Vol CCCLXXXI,
1911. *16*

Navy Tr 3087/APL T-280

Sci - Chem

Apr 62

190,402

Tetrabiphenylhydrazine (X. Report on Aromatic
Hydrazones), by H. Wieland, A. Susser, 13 pp.

GERMAN, per, Annalen der Chemie, No 2, 1911,
pp 217-229.

Navv Tr 3179/AFL T-294

Sci - Chem

Jul 62

204,807

On the Existence of a Surface Viscosity in the
Thin Transition Layer Separating one Liquid from
Another Contiguous Fluid, by J. Boussinesq, 18 pp.
FRENCH, per, Ann de Chimie et de Physique,
Vol 29, 1913, pp 349-371.

ARM/RSIC/Tr-944-69
GOVERNMENT USE ONLY

Sci/Phy
Sept 69

392,198

E. Carriere

Study of Aldehyde Acids of the Succinic Series.
FRENCH, per, Annales de Chimie, Series 9, Vol 17,
1922, pp 38-132.
NTC 72-13554-07C

Nov 72

Ziegler, K., Crössmann, F., Kleiner, H.,
and Schäfer, O.
ALKALI ORGANIC COMPOUNDS. I. REACTIONS BE-
TWEEN UNSATURATED HYDROCARBONS AND
ALKALI METAL ALKYLs. [1964] 48p (figs omitted)
35refs
Order from SLA \$4.60

TT-64-14926

Trans. of [Justus Liebig's] Annalen der Chemie
(Germany) 1929, v. 473, p. 1-35.

(Chemistry--Organic, TT, v. 11, no. 11)

TT-64-14926

I. Ziegler, K.
II. Crossmann, F.
III. Kleiner, H.
IV. Schäfer, O.
V. Title: Reactions...

Office of Technical Services

Ziegler, K. and Kleiner, H.
POLYMERIZATION OF UNSATURATED HYDRO-
CARBONS UNDER THE INFLUENCE OF ALKALI
METALS AND ALKALI METAL ALKYLs, III. [1964]
37p (figs omitted) 7refs
Order from SLA \$3.60

TT-64-14928

Trans. of [Justus Liebig's] Annalen [der Chemie]
(West Germany) 1929, v. 473, p. 57-82.

(Chemistry--Organic, TT, v. 11, no. 11)

TT-64-14928

I. Ziegler, K.
II. Kleiner, H.

Office of Technical Services

Huckel, W., Danneel, R. and others.
THE STEREOCHEMISTRY OF BICYCLIC RING
SYSTEMS. V, $\Delta^9,10$ -OCTALIN. [1962] 18p.

Order from ATS \$ 22.45

ATS-70P59G

Trans. of [Justus Liebigs] Ann[alen der] Chem[ie]
(Germany) 1929, v. 474, p. 121-144.

DESCRIPTORS: *Stereochemistry, Molecular
structure, *Naphthalenes.

(Chemistry--Organic, TT, v. 8, no. 11)

62-17145

- I. Huckel, W.
- II. Danneel, R.
- III. ATS-70P59G
- IV. Associated Technical
Services, Inc., East
Orange, N. J.

ATE/1043-BJ

Office of Technical Services

Glycol Fission, Its Mechanism and Its Application
to Chemical Problems, by R. Griegge.

GERMAN, per, Annalen der Chemie, Vol LVII, 1933,
pp 159-166.

University of Melbourne
Trans. No. 21

Sci

May 60

115,695

Information on the Photosensitivity of Aryls -
Naphthylamine Azo Dyes, by F. Krollpfeiffer,
E. C. Mulhausen, G. Wolf, 22 pp.

GERMAN, per, Annalen der Chemie, Vol DVIII, 1934,
pp 39-51.

NIH 3-18-61

Sci - Med
May 61

150,589

Catalysis in the Polymerization of Unsaturated
Hydrocarbons by Organoalkali Compounds, by
K. Ziegler, L. Jakob, 34 pp.
GERMAN, per, Annalen der Chemie, Vol XII, No 511,
1934, pp 45-64.
Patent Office

Sci - Chem
Sept 64

266,488

The First Reaction Products of Alkali Metals on
Butadiene, by K. Ziegler, L. Jakob, 43 pp.
GERMAN, per, Annalen der Chemie, Vol XIII, No 511,
1934, pp 64-88.
Patent Office

Sci - M/M
Sept 64

267,051

The Oxidation of Double Bonds. I. The Oxidation of Endo-Cis-3, 6-Endomethylene-Delta-Tetrahydrophthalic Acid, by Kurt Alder, Stephan Schnsider, 15 pp.

524
GERMAN, per, Annalen der Chemie, No 525, 1954, pp 189-202, 1936.

S.L.A. No 4

Scientific - Chemistry
Jan 56 CTS/DEX

30,410

Ziegler, K., Grimm, H., and Willer, R.
[ALKALI ORGANIC COMPOUNDS]. XV. CONTROLLER
1,4-POLYMERIZATION OF BUTADIENE. [1964] 48p
(figs omitted) 10refs
Order from SLA \$4.60

TT-64-14906

Trans. of [Justus Liebigs] Ann[alen der Chemie]
(Germany) 1939, v. 542, p. 90-122.

See also TT-64-14896.

(Chemistry--Organic, TT, v. 11, no. 11)

TT-64-14906

- I. Ziegler, K.
- II. Grimm, H.
- III. Willer, R.
- IV. Title: Controller...

Office of Technical Services

On Fumaric Hydrogenase As Yellow Enzyme.
Biochemical Hydrogenation IX (1), by F. G.
Fischer, A. Roedig, K. Rauch, 63 pp.

GERMAN, per, Ann d Chem, Vol DLII, No 1/2,
1942, pp 203-242.

NIH

Scientific - ~~GENE~~ Chemistry

CTB/DEX

17,925

Comparative Study of Oxidation of Nickelous,
Cobaltous Manganous and Ferrous Hydroxides by
the Wet Process, by J. Basson, 8 pp.

G. K. M. N.
~~ESAMMILY K. M. N. PER~~, per, Annales de Chem, Ser 12
Vol II, Sep/Oct 1947.

S.L.A. Nr 419/1956

Sci - Chemistry

35.571

Jan 1956

Boron Alkali Metal Organic Complexes, by
Georg Wittig, Georg Kelcher and others,
17 pp.

GERMAN, Per, Annalen der Chemie, 1949,
Vol DLXIII, No 1/2, pp 110-126.

SLA 59-10013

Sci
Oct 59
Vol 2, No 3

99, 901

The Urea Additive of Aliphatic Compounds, by
W. Schlenk.
GERMAN, per, Annalen der Chemie, Vol 565, No 3,
1949, pp 204-240.
ACSI J-3899
ID 2204058467

Sci/Chem
Apr 68

351,448

NRC-TT-1439 Uncl

A CHEMICALLY INERT GEL. Biget, Anne-Marie. Translated by D. A. Sinclair (National Research Council, Ottawa), from Ann. Chim. (Paris); (12) 5: 66-105(1950). 33p.

chemistry (physical)

ND-4 NP RC

Unlimited

Ziegler, K. and Gellert, H. G.
ALKALI ORGANIC COMPOUNDS. XVI. THERMAL
STABILITY OF LITHIUM ALKYLs. [1964] 9p 14refs
Order from SLA \$1.10
TT-64-14929

Trans. of [Justus Liebigs] Annalen [der Chemie] (West
Germany) 1950, v. 567, p. 179-184.
Another trans. is available in French from SLA ml\$1.80,
ph\$1.80 in CEA-tr-A553, 25 Mar 59 [5]p.

See also TT-64-14906

(Chemistry--Organic, TT, v. 11, no. 11)

TT-64-14929

I. Ziegler, K.
II. Gellert, H. G.
III. Title: Thermal...

Office of Technical Services

Investigation of the Formation of Intriles VII,
Allyl Cyanide, by P. Kurtz, 8 p.

GERMAN, per, Annalen der Chemie, 1951, Vol DLXXII,
No 1, pp 69-74

SLA 60-10136

Sci
Apr 60
Vol IXX, No 3

112,111

Ring Extension of Tetraphenylpyrrole, by
Richard Kuhn, Helmuth Kaiser. FOR OFFICIAL USE ONLY

GERMAN, per, Annalen der Chemie, Vol DLXXVIII,
No 3, 1952, pp 226-227.

Navy Tr 3077/APL T-267

61 DPL T-1505

190,392

Sci - Chem

Apr 62

Ring Opening of Tetraphenylpyrrol, by Richard
Kuhn. FOR OFFICIAL USE ONLY

GERMAN, per, Annalen der Chemie, Vol DLXXVIII,
No 3, 1952, pp 227-229.

Navy Tr 3081/APL T-272

Sci - Chem

Apr 62

190,396

On Pyrrole Radicals, by Richard Kuhn,
Helmuth Kainer. FOR OFFICIAL USE ONLY

GERMAN, par, Annalen der Chemie, Jul-Dec
1952, pp 227-238, 577, 578.

Navy Tr 3073/APL T-261

Sci - Chem

Apr 62

191, 200⁶

N-acyl-imidazoles as Acyl Compounds Rich in
Energy, by T. Wieland, G. Schneider, 19 pp.

GERMAN, per, Ann d Chem, Vol CLXXX, No 2,
1953, pp 159-168.

NIH

Scientific - Chemistry
May 55 CTS

23,451

Wieland, Theodor and Motzel, Werner.
THE PRESENCE OF BUFOTENIN IN YELLOW
AMANTIA MUSHROOMS. [1963] 6p (figs omitted)
15refs

Order from SLA \$1.10

TT-64-14764

Trans. of [Justus Liebig's] Ann[alen der Chemie]
(West Germany) 1953, v. 581, p. 10-16.

TT-64-14764

I. Wieland, T.
II. Motzel, W.

Carbonylization, by W. Reppe,
GERMAN, per, Annalen der Chemie, Vol DLXXXII,
1953, pp 1-161.

*Dept of Navy/APL/JHU J-825

Sci-Chem
Jun 66

Preparation of Thionyl Chloride, 2 pp.

GERMAN, per, Ann. Chem, Michaelis Liebigs,
No 274, pp 184-186.

S.L.A. Tr No 1878

Sci - Chemistry, organic
Apr 57

46,849

Stereo-Isomerism of 2,2' Diamino-Bisdiphenyl-
Mylene-Ethylene, by R. Kuhn.

GERMAN, per, Annalen der Chemie, Vol DXXCII,
p 196ff.

University of Melbourne
Trans. No. 90

Sci

May 60

115, 715

Some New Addition Reactions of Azodicarboxylic
Acid Esters, by Kurt Alder, Hans Niklas, 24
pp.

GERMAN, per, Annalen der Chemie, No 585, 1954,
pp 81-96.

S.E L. A. No 5

Scientific - Chemistry
Jan 56 CTS/DEX

30,411

Alder, Kurt and Niklas, Hans.
NEW SYNTHESIS IN THE CINNOLIN AND N-AMINO
IN DIENE SERIES THROUGH ADDITION OF AZODI-
CARBOXYLIC ESTER TO THE STYRENE SYSTEM.
[1961] 13p.

Order from SLA ml\$2.40, ph\$3.30

61-10819

Trans. of [Justus Liebig's] Annalen [der Chemie]
(West Germany) 1954, v. 585 [no. 2] p. 97-108.

61-10819

1. Azo compounds--Chemical reactions
2. Styrenes--Chemical reactions
3. Diene compounds--Synthesis
4. Carboxylic acids--Chemical reactions

- I. Alder, K.
- II. Niklas, H.

148674

Office of Technical Services

(Chemistry--Organic, TT, v. 5, no. 12)

Polymethine Dyes. I. On Cyanomethines, by
M. Strell, W. B. Braunbruck, W. F. Fuhler,
O. Huber, 34 pp.

GERMAN, per, Annalen der Chemie, No 587, (3)
1954, pp 177-194.

NIH Tr 10-13

sci - Chemistry

54, 663

Oct 57

Polymethine Dyes. II. On Malocyanines,
by M. Strell, W. B. Braunbruck, L. Reithmayr,
24 pp.

GERMAN, per, Annalen der Chemie, No 587 (3),
1954, pp 195-206.

MIH Tr 10-14

Sci - Chemistry

54, 564

Oct 57

Ziegler, Karl, Sauer, Hans, Bruns, Ludwig,
Froitzheim-Kühlhorn, Helga, and Schneider, Joseph.
ON MULTIPLE MEMBERED RING SYSTEMS. XIV.
CYCLOOLEFINS OF AVERAGE RING DIMENSIONS.
35p 50refs

Order from SLA \$3.60

TT-64-16334

Trans. of [Justus Liebig's] Annalen der Chemi
(West Germany) 1954, v. 589 (no. 2) p. 122-156.

(Chemistry--Organic, TT, v. 12, no. 4)

TT-64-16334

- I. Ziegler, K.
- II. Sauer, H.
- III. Bruns, L.
- IV. Froitzheim-Kühlhorn, H.
- V. Schneider, J.
- VI. Title: Cycloolefins...

Office of Technical Services

Reppe, Walter and others.
ETHYNYLATION, VI. [1964] 117p 48refs
Order from SLA \$9.60 TT-64-16159

Partial trans. (p. 158-224) of [Justus Liebig's]
Annalen der Chemie (West Germany) 1955, v. 596,
p. 1-224.

Another trans. of p. 158-224 is available from
K-H-\$117.00 as K-H-3858, 117p.

TT-64-16159

I. Reppe, W.

(Chemistry--Organic, TT, v. 12, no. 4)

Office of Technical Services

Polarographic Research on Nonaqueous Solvents:
Preliminary Studies on Anhydrous Hydrazine, by
C. Furlani.

FRENCH, per, Annali de Chimica, Vol 45, 1955,
pp 264-273.

NAAA TT F-11,882

264

GOVERNMENT USE ONLY

Sci-Chem

Jan 68

348,669

Kinetics of Combustion of Carbon at High Temperatures and Low Pressures, by M. Duval,

GERMAN, per, Ann de Chimie, Vol X, 1955,
pp 282 903-967.

RAE 573

Sci
UJun 63

Isomer Transformation of Urea in
Aqueous Solution, by O. T. Rotini et al.
ITALIAN, per, Ann, di Chimica, Vol 46,
1956, pp 440-450.
*Dept of Navy/NPS

Sci-B&M
Oct 66

Chemisorption of Alcohols on Amorphous Silica, by
W. Stober,

^a
GERMAN, per, Anngen der Chem, Justus Liebig's,
Vol DCIV, 1957, pp 104-110.

ATS 445-GJ

Sci - Chem

Aug 60

123,348

Dissociation of Tetraphenylhydrazine, by V. Franzen.
FOR OFFICIAL USE ONLY
BERGMAN, per, Annalen der Chemie, 1957, pp 251-256.

Navy Tr 3079/AFL T-269

Sci - Chem

Apr 62

190,394

Reppe, W[alter] and others.
VINYLATION. [1962] 30p. (refs. omitted).
Order from SLA \$2.60 62-16528

Partial trans. (excerpts) of [Justus Liebig's] Annalen
der Chemie (West Germany) 1957, v. 601, no. 1/3,
p. 81-138.
A complete trans. is available from SLA ml\$3.30,
pb\$7.80 as 60-10713 [1959] 50p.

DESCRIPTORS: *Acetylenes, *Vinyl radicals, Ether,
Ethers, Polymerization, Chemical reactions,
Pressure, Sulfides, Nitrogen compounds.

For abstract see Technical Translations 3: 219, 1960.

(Chemistry--Organic, FI, v. 8, no. 11)

62-16528

L. Reppe, W.

Office of Technical Services

Koster, Roland.
BORON COMPOUNDS. I. PREPARATION OF TRIALKYL-
BORINES (BORTRIALKYLS) AND THEIR REACTIONS
WITH OLEFINS. [1963] 21p.
Order from K-H \$21.00

K-H 9539

Trans. of [Justus] Liebigs Annalen der Chemie (West
Germany) 1958, v. 618 [no. 1/3] p. 31-43.

Another trans. is available from SLA ml \$2.70, ph\$4.80
as 60-14310 [1960] 21p.

DESCRIPTORS: *Boron compounds, Alkyl radicals,
Chemical reactions, *Ethylenes, Synthesis (Chemistry).

For abstract see Technical Translations 3: 705, 1960.

(Chemistry--Organic, TT, v. 10 no. 1)

63-17278

- I. Koster, R.
- II. K-H-9539
- III. Title: Preparation ...
- IV. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Appel, Rolf, Büchner, Werner, and Guth, Egbert.
A CONTRIBUTION TO THE KNOWLEDGE OF THE
IMINE. I. PHOSPHINIMINES AND SULFIMINES (Zur
Kenntniss des Imins. I. Über Phosphinimine und
Sulfimine). [1961] 11p. 25 refs.
Order from SLA \$1.60

61-18637

Trans. of [Justus Liebig's] Annalen der Chemie (West
Germany) 1958, v. 618, p. 53-58.

DESCRIPTORS: *Phosphinimines, *Sulfimines,
Chemical reactions, Imines.

The reaction of hydroxylamine-O-sulfonic acid with
triphenylphosphin yields triphenylphosphinimine,
 $R_3P=NH$, which can be stabilized by salification as hy-
drogen sulfate, methyl sulfate and picrate. If the reac-
tion takes place in the presence of thioethers in lieu of
phosphin, it will yield the heretofore unknown sul-
fiminies, $R_2S=NH$. These sulfiminies are less stable,
(Chemistry--Organic, TT, v. 6, no. 9) (over)

61-18637

- I. Appel, R.
- II. Büchner, W.
- III. Guth, E.
- IV. Title: Phosphinimines...

185462

Office of Technical Services

Ziegler, K[arl], Köster, R[oland] and others.
NEW COMPLEX COMPOUNDS OF ALUMINUM
ALKYLS. Pt. 30 of Metallo-organic Compounds.
[1961] 14p. (introduction experimental part footnotes
omitted) 4 refs.
Order from SLA \$1.60

61-20862

Trans. of [Justus Liebigs] Ann[alen der] Chem[ie]
(West Germany) 1960, v. 629 [no. 1/3] p. 33-49.
Another trans. is available from SLA \$2.60 as
61-20453 [1961] 29p.

DESCRIPTORS: Metalorganic compounds, *Aluminum
compounds, *Alkyl radicals, Chemical reactions,
*Chemical compounds, Synthesis

(Chemistry--Organic, TT, v. 7, no. 6)

61-20862

- I. Ziegler, K.
- II. Köster, R.
- III. Title: Metallo-organic...

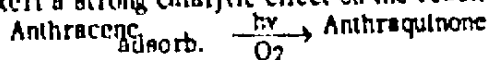
ATC/111-67

Office of Technical Services

Kortüm, Gustav and Braun, Walter.
PHOTOCHEMICAL REACTIONS OF ANTHRACENE
IN THE ADSORBED STATE. [1960] 15p. 13 refs.
Order from SLA ml\$2.40, ph\$3.30 61-10201

Trans. of [Justus Liebig's] Annalen der Chemie (West
Germany) 1960, v. 632 [no. 1/3] p. 104-115.

The oxides and salts used as adsorbents are shown to
exert a strong catalytic effect on the reaction



The intermediate endoperoxide state which is generally
postulated in the case of oxidation in solution probably
does not occur in reactions which take place at the
surface of powders, as shown by analogous measure-
ments with 9, 10-diphenylanthracene. With aluminum
oxide and silica gel as adsorbents, 1,4-dihydroxy-
anthraquinone (Quinizarine) is formed from anthracene
or anthraquinone in continuation of the above reaction.
In this case the catalytic influence of the adsorbents
(Chemistry--Physical, TT, v. 5, no. 4) (over)

61-10201

I. Anthracene--Photochemical
reactions

I. Kortüm, G.

II. Braun, W.

143,208

Office of Technical Services

Roedig, Alfred and Mirkel, Gottfried.
ON THE CONSTITUTION OF THE VARIOUS
 $C_5Cl_4O_2$ COMPOUNDS; CONCERNING THE PER-
CHLORO DERIVATIVES OF CYCLOPENTENE-
1-DIONE-3, 5, PYRONE-2 AND PROTOANEMONIN.
[1960] [17]p. 43 refs.
Order from SLA m\$2. 40, ph\$3. 30 61-10628

Trans. of [Justus Liebig's] Annalen der Chemie (West
Germany) 1960, v. 636 [no. 1/3] p. 1-18.

The preparation of the compounds $C_5Cl_4O_2$ named in
the title, which have long been known but incorrectly
identified, was improved and their structure defini-
tively proved by new reactions as well as by UV and
IR. Perchlorocyclopentene-1-dione-3, 5 rearranged
under the influence of oleum into perchloroproto-
anemonin. As a common intermediate there appears,
on alkaline degradation of both compounds, 5H-tetra-
chloropentene-2-one-4-oic acid. The perchloro-
pyrone-2 obtainable by thermal decomposition of
(Chemistry--Organic, TT, v. 5, no. 9) (over)

61-10628

1. Chlorine compounds
(Organic)--Molecular
structure
2. Cyclic compounds--
Synthesis
- I. Roedig, A.
- II. Mirkel, G.

151798

Office of Technical Services

Rieche, Alfred and Seeboth, Helmuth.
THE REACTIONS OF NAPTHOLS AND NAPHTHYL-
AMINES UNDER THE INFLUENCE OF HYDROGEN
SULFITE (BUCHERER REACTION). I. PROPERTIES
AND STRUCTURE OF INTERMEDIARIES OF THE
BUCHERER REACTION. [1961] 21p.
Order from SLA \$2.60

62-10047

Trans. of [Justus Liebig's] Annalen der Chemie (West
Germany) 1960, v. 638, p. 43-56.

DESCRIPTORS: *Naphthalenes, *Amines, *Naphthyl
radicals, *Hydrogen compounds, Sulfites, Chemical
reactions, Hydroxides, Sulfonic acids, Acids, Com-
plex compounds, Chemical properties, Crystal
structure.

(Chemistry--Organic, TT, v. 7, no. 51)

62-10047

- I. Title: Bucherer reactions
- I. Rieche, A.
- II. Seeboth, H.
- III. Title: Properties...

Office of Technical Services

62-10039

Rieche, Alfred and Seeboth, Helmuth.
REACTIONS OF NAPHTHOLS AND NAPHTHYL-
AMINES UNDER THE INFLUENCE OF HYDROGEN
SULFITE. (BUCHERER REACTION). II. m-TETRALIN
SULFONIC ACIDS AS INTERMEDIARIES OF THE
BUCHERER REACTION. [1961] 16p.
Order from SLA \$1.60

62-10039

Trans. of [Justus Liebig's] Annalen der Chemie (West
Germany) 1960, v. 638, p. 57-66.

DESCRIPTORS: *Naphthalenes, *Amines, *Naphthyl
radicals, Hydrogen compounds, Sulfites, Chemical
reactions, Hydroxides, *Sulfonic acids, Acids,
Complex compounds.

See also 62-10047

(Chemistry--Organic, TT, v. 7, no. 6)

- I. Title: Bucherer reactions
- I. Rieche, A.
- II. Seeboth, H.
- III. Title: m-tetralin...

Office of Technical Services

Rieche, Alfred and Seeboth, Helmuth.
REACTIONS OF NAPHTHOLS AND NAPHTHYL-
AMINES UNDER THE INFLUENCE OF HYDROGEN
SULFITE (BUCHERER REACTION). III. THE
MECHANISM OF THE BUCHERER REACTION.
[1961] 14p.
Order from SLA \$1.60 62-10038

Trans. of [Justus Liebig's] Annalen der Chemie (West
Germany) 1960, v. 638, p. 66-75.

DESCRIPTORS: *Naphthalenes, *Amines, *Naphthyl
radicals, Hydrogen compounds, Sulfites, Chemical
reactions, Reaction kinetics.

See also 62-10039

(Chemistry--Organic, TT, v. 7, no. 5)

62-10038

- I. Title: Bucherer reactions
- I. Rieche, A.
- II. Seeboth, H.
- III. Title: Mechanism...

Office of Technical Services

62-10037

Rieche, Alfred and Seeboth, Helmuth.
REACTIONS OF NAPHTHOLS AND NAPHTHYL-
AMINES UNDER THE INFLUENCE OF HYDROGEN
SULFITE. (BUCHERER REACTION). IV. THE
ADDITION COMPOUND OF B-NAPHTHOL AND
NaHSO₃. [1961] 8p.
Order from SLA \$1.10

62-10037

Trans. of [Justus Liebig's] Annalen der Chemie
(West Germany) 1960, v. 638, p. 76-81.

DESCRIPTORS: *Naphthalenes, *Amines, *Naphthyl
radicals, *Hydrogen compounds, Sulfites, Chemical
reactions, *Sodium compounds, Complex compounds.

See also 62-10038

(Chemistry--Organic, TT, v. 7, no. 52)

- I. Rieche, A.
- II. Seeboth, H.
- III. Title: Addition...

Office of Technical Services

TT-65-12420

Field 7C

Haaf, W.; Koch, H.
SYNTHESIS OF CARBOXYLIC ACIDS FROM PARAFFINS
THROUGH HYDRIDE TRANSFER. 13p, 15refs.
Order from SLA: \$1.60 as TT-65-12420

Trans. of Justus Liebigs Annalen der Chemie (West
Germany) v638 n1-3 p122-35 1960.
Another trans. is available from ATS \$19.50 as
ATS-58Q67G, 15p.

I. Haaf, W.
II. Koch, H.

MR 632

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00403R000200730037-5

ANNALES DE CHIMIE
1960 513 V5 P645-706

70-10292-07C

Order from NTC

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00403R000200730037-5

TT-65-11981

Field 7C

Klug, H.
TETRACHLOROSUCCINIC ACID AND DERIVATIVES.
I - III. TETRACHLOROSUCCINIC ACID AND DERIVATIVES
BY CHLORINATION OF GAMMA-LACTONES OR GAMMA-
LACTAMS. 37p, 30refs.
Order from SLA: \$3.60 as TT-65-11981

Trans. of Justus Liebig's Annalen der Chemie (West
Germany) v677 n1 p67-83 1964.

I. Klug, H.
II. Title: Tetrachlorosuccinic ...

MR 622

Polymembered Ring Systems: V(l) Formation
Tendency of Cyclic Compounds, by K. Ziegler,
R. Aurnhammer, 32 pp.
GERMAN, per, Annalen der Chemie, No 513,
1964, pp 1934-1943.
Patent Office

Sci - Chem
Jan 65

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Concerning a New Acid Related to the Picric Acid
(Trinitrophenol), by Rudolph Bottger, Heinrich
Will, 31 pp.

GERMAN, per, Ann Chem Pharm, Vol LVIII, 1846,
pp 273-300.

AEC SCL-T-252

Sci - Chem

Sep 59

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Organic Base in Coca, by A. Niemann, 5 pp.
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GERMANY, per, Annalen der Chem und ~~Pharm~~ Pharm,
Vol CXIV, 1860, pp 213-217.

NIH 2-15

Sci - Chem

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APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00403R000200730037-5

order from NTC

ANNALES DE CHIMIE ET DE PHYSIQUE
1836 52 V62 P55-76 70-23659 (9)

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00403R000200730037-5

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LAROQUE, M.F. On the gyratory motion of a liquid flowing through a thin wall circular orifice in the centre of the circular base of a cylindrical vessel.
Annls Chim.Phys. 61:345-55 (1861); 67:484-93 (1863)
(CRL/D. 875)

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00403R000200730037-5

Hypotheses on Luminous Ether and on an Experiment that Appears to Demonstrate that the Motion of Bodies Changes the Velocity With Which Light Propagates in their Interior, by H. Fizeau. 20 pp.

FN. ~~RUSSEAN~~, per, Ann. de Chem. et de Phys., 3rd Ser. Vol 57, Dec 1957, pp 385-404.
NASA TT-F-13623

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Technical Problems in Lung Transplants, by
A.H. B. De Bono, 5 pp.
FRENCH, per, Ann Chir Thor Ca. Vol V,
1966, pp 510-514.
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Sci-B&M
May 67

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Comparative Absorption of Various Salts of
Para-aminosalicylic Acid Administered by
Way of the Stomach, by M. T. Regnier,
M.R. Fabre, 18pp.
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No 9, 1953, pp 569-578.
CFSTI TT-64-18978.

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Sci - B & M
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Analysis of Conditions of Industrial Control
of Activity of a Preparation of Sodium
Dehydrocholate on the Biliary Flow of the
Rabbit, by J. Salesse, 13pp.
FRENCH, per, Annales Pharm Franc, Vol 12,
No 3, 1954, pp 193-203.
CFSTI TT-64-20007.

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Sci - B & M
Mar 67

On Control Methods of Therapeutic
Preparations of Antibioresistant Lactic
Bacteria Base, by R. Fabre, J. Cheymol,
S. Lambin, Bl. Magnier de la Source, 15pp.
FRENCH, per, Annales Pharmaceutiques Franc,
Vol 19, No 1, 1961, pp 24-36.
CFSTI TT-64-18619.

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Sci - B & M
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Gallo, G.
PROCESS FOR THE PRODUCTION OF ALKALINE
POTASSIUM AND SODIUM HYDROXIDES FROM THE
CORRESPONDING SULFATES. [1965] 13p. 8-refs.
Order from SLA \$1.60 63-16082

Trans. of [Annali di Chimica] (Italy) 1935, v. 25,
p. 620-628.

DESCRIPTORS: *Sulfates, *Hydroxides, *Sodium
compounds, *Potassium, *Alkali metals, Production,
Processing.

(Engineering--Chemical, TT, v. 10, no. 9)

63-16082

I. Gallo, G.

Office of Technical Services

Ubal dini, Ivo and Giarrocchi, J.
INVESTIGATIONS ON THE FORMATION OF SOLU-
BLE PHOSPHORIC ANHYDRIDE IN THE TREAT-
MENT OF PHOSPHORITES AND TRICALCIUM
PHOSPHATE WITH HUMIC LIGNITES. [1960] 13p.
10 refs.
Order from SLA mi\$2.40, ph\$3.30 60-18119

Trans. of Annali di Chimica (Italy) 1938, v. 28,
p. 69-77.

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1. Soils--Chemical analysis
2. Phosphates--Chemical reactions
3. Phosphites--Chemical reactions
4. Humic acids--Chemical reactions
- I. Ubal dini, I.
- II. Giarrocchi, J.

Office of Technical Services

(Unannounced)

Centola, G.
CONTRIBUTION TO THE STUDY OF THE EFFECT
OF ALKALINE SULFIDES UPON CELLULOSE. [1963]
8p. 12 refs.
Order from SLA \$1.10

63-16080

Trans. of [Annali di Chimica] (Italy) 1941, v. 31,
p. 20-24.

DESCRIPTORS: *Cellulose, *Sulfides, *Alkali
metals, Crystal structure.

(Chemistry--Physical, TT, v. 10, no. 9)

63-16080

I. Centola, G.

Office of Technical Services

On the Titration of Nicotine and a New Indirect
Method of Volumetric Determination, by Giovanni
Mannelli.

ITALIAN, per, Annali di Chimica, 1941, Vol. 31,
pp. 68-73.

K-H-1904 a

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Aug 66

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Covelle, Marie.
PREPARATION OF 3-AND 5-IODOSALICYLIC ACIDS,
CRYPTOTOXIC POWER AND PHARMACOLOGICAL
CHARACTERISTICS. [1963] 12p (formulae omitted)
21refs
Order from SLA \$1.60

63-20248

Partial trans. (p. 235-245) of [Annali di Chimica]
(Italy) [1941] v. 31, p. 235-[254].

DESCRIPTORS: Drugs, Antigens and antibodies,
*Toxins and antitoxins, *Iodides, *Salicylic acids,
*Biological assay, Antibiotics.

(Biological Sciences--Pharmacology, TT, v. 10, no. 12)

63-20248

1. Title: Cryptotoxic Index
I. Covelle, M.

Office of Technical Services

Chromatographic Separation of Tannic Acids From Their
Derivatives, by Giulio Bruno Crippa, Silvio Maffei,
5 pp.

ITALIAN, per, Annali de Chimica, Vol XXII, No 10,
1941, pp 453-456.

SLA 60-10536

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Rosanova, G.
BRAIN EXTRACTS USED IN THERAPY: COMPOSI-
TION AND ANALYSIS. [1966] 8p. 3 refs.
Available on loan from SLA 61-10258

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[no. 3/4] p. 69-78.

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61-10258

- I. Brain extract--Properties
- I. Alessandrin, M. E.
- II. Merini, B. M.
- III. Rosanova, G.

Office of Technical Services

(Behavioral Sciences--Pharmacology, TF, v. 5, no. 5)

Cavallaro, L., and Indelli, A.
THE INHIBITING ACTION OF SODIUM METAPHOS-
PHATE ON PRECIPITATION PROCESSES. I. MEAS-
UREMENTS ON BaCO_3 , CaCO_3 and SrCO_3 . [1960] 8p.
Order from ATS \$14.95 ATS-71M471

Trans. of Ann[ali di] Chim[ica] (Italy) [1950] v. 40,
p. 195-204.

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(Chemistry--Inorganic, TT, v. 5, no. 8)

61-12788

1. Carbonates--Precipitation
2. Precipitation--
Inhibition
3. Phosphates--Chemical
effects

I. Cavallaro, L.

II. Indelli, A.

III. Title: Measurements...

IV. ATS-71M471

V. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

Bianchi, G.
RESEARCH ON THE STRUCTURE OF CATHODIC
*PLATINUM BLACK DEPOSITS. [1962] 10p.
Order from ATS \$11.95 ATS-452641

Trans. of Ann[ali di] Chim[ica] (Italy) 1950, v. 40,
p. 222-233.

DESCRIPTORS: *Cathodes, *Platinum, Deposits,
Electrodeposition.

(Chemistry--Physical, TT, v. 8, no. 4)

62-17682

- I. Bianchi, G.
- II. ATS-452641
- III. Associated Technical Services,
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Gallo, G. and Guerra, M. del.
THE ACTION OF HYDROGEN ON THE METALLIC
OXIDES AND SULFIDES, NOTE VI. [1963] [12]p.
10 refs.

Order from SLA \$1.60.

63-16843

Trans. of Ann[ali di] Chim[ica] (Italy) 1951, v. 41,
p. 51-60.

DESCRIPTORS: *Ores (Metal sources), *Cadmium com-
pounds, *Bismuth compounds, *Tin compounds, *Lead
compounds, *Zinc compounds, *Manganese compounds,
*Cobalt compounds, *Nickel compounds, *Silver com-
pounds, Oxides, Sulfides, Reduction, Desulfurization,
*Hydrogen.

(Chemistry--Inorganic, TT, v. 10, no. 7)

63-16843

I. Gallo, G.
II. Guerra, M. del

Office of Technical Services

Cerniani, Aldo.
THE THERMAL DECOMPOSITION OF STARCH.
[1962] 14p.
Order from K-H \$18.00 K-H 6255-b

Trans. of Annali di Chimica (Italy) 1951, v. 41,
p. 293-308.

DESCRIPTORS: *Starches, Pyrolysis.

(Biological Sciences--Biochemistry, TT, v. 8, no.4)

62-17874

I. Cerniani, A.
II. K-H-6255-b
III. Kresge-Hooker Science
Library Associates,
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Office of Technical Services

Constatinides, Giorgio.
AUTOCOMBUSTION TEMPERATURE OF MONOSAC-
CHARIDES AND OLIGOSACCHARIDE POWDERS.
[1962] 17p.

Order from K-H \$21. 25

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Trans. of Annali di Chimica (Italy) 1951, v. 41,
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DESCRIPTORS: *Sacchrides, Powders, Combustion.

(Chemical--Physical, TT, v. 9, no. 1)

62-34236

- I. Constatinides, G.
- II. K-H-6196-b
- III. Kresge-Hooker Science
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Detroit, Mich.

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Cerniani, Ado.
COMPARATIVE THERMAL DECOMPOSITION OF
SOME MONOSACCHARIDES, OLIGOSACCHARIDES
AND POLYSACCHARIDES. [1962] 10p.
Order from K-H \$12.00 K-H 5876-a

(B1.60) SLA 62-10815
Trans. of Annali di Chimica (Italy) 1951, v. 41,
p. 455-464.

DESCRIPTORS: *Saccharides, Pyrolysis.

(Biological Sciences--Biochemistry, TT, v. 8, no. 4)

62-17873

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- II. K-H-5876-a
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Detroit, Mich.

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SLA 60-23421

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Jul 61

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Elements of Groups III and IV, by Aldo Iandelli,
Riccardo Ferro, 16 pp.

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AEC NP Tr-555

Sci - Chem
& May 61

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Behavior of Polyvinylpyrrolidone with the
Principal Alkaloid Reagents and its Photo-
Colorimetric Determination, by S. Camozzo
and S. Zotto.

ITALIAN, per, Annali di Chimica, 1953, vol. 43,
no. 2, pp. 113-118.

SLA-TT-64-20072

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AEC 4 (MLM-1878(TR)) 5 STABILITY OF MIXTURES CON-
TAINING PENTRITE AND T₄. 6 di Cerrione, A. 10 Translated for
Mound Lab., Miamisburg, Ohio, from 15 Ann. Chim. (Rome); 43:
525-34 (1953). 20 15p. 24 Dep. NTIS.

26 chemistry (physical); translations 27 07D

28 MN-4 29 P NSA

A violet Absorption of Some Compounds of
Sulfurous and Phosphoric Acid, by Hsiao, Liang,
Chungking, 10 pp.

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500-509.

III Tr 11-9

Chemistry - Chemistry

Nov 5, 68

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Effective Valence of Antimony in Halogen
Hypoantimonates. I Research on $(\text{NH}_4)_2\text{SbBr}_6$
and Te_2SbCl_6 with the Use of Radioactive
Antimony, by A. Turco, L. Mazzon.
ITALIAN, per, Annali di Chimica, Vol 43,
1953, 853-64.
SLA TT-66-11039

Sci - Chem
Jul 67

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Effective Valence of Antimony in Halogen
Hypoantimonates. II Research on $m(\text{NH}_4)_2\text{SbCl}_6 \cdot n\text{-}$
 $(\text{NH}_4)_2\text{SbCl}_6$ with the Use of Radioactive
Antimony, by A. Turco, G. Sordillo.
~~ITALIAN~~, per, Annali di Chimica, Vol 43,
1953, pp 865-72.
SLA TT-66-11038

Sci - Chem
Jul 67

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Behavior of Manganous Salts with Alkaline Solutions
of Triethanolamine, by Renzo Pirisi.

ITALIAN, per, Annali di Chimica, 1954, vol. 44,
pp. 59-62.

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Chem
Aug 66

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Mayer, Aldo.
PREPARATION OF ALLOYS BY THE ACTION OF
METALS ON FUSED SALTS, NOTE II. [1963] 9p.
Order from K-H \$9.00 K-H 3737 c

Trans. of Annali di Chimica (Italy) 1954, v. 44,
p. 299-304.

DESCRIPTORS: *Alloys, *Metals, Salts, *Fused
materials, Preparation.

(Chemistry--Inorganic, TT, v. 10, no. 2)

63-17272

I. Mayer, A.
II. K-H-3737-c
III. Kresge-Hooker Science
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b. A. Liberti, C. Biondi , 8 pp.

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Effective Valence of Antimony in Halogen
Hypocantimonates. III. Research on
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ITALIAN, per, Annali di Chimica, Vol 45,
1955, pp 614-7.
SLA TR-77-11033

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Sci - Chem
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On Some Structural Peculiarities of Organo-
Phosphorus Compounds, by M. Serra, P. Malatesta,
10 pp.

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1955, pp 911-917.

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Lardera, M. R., Cernia, E., and Mori, A.
DETERMINATION OF VINYL ACETATE IN MIXED
POLYMERS OF VINYL CHLORIDE AND VINYL
ACETATE. [1963] 4p. 2 refs.
Order from SLA \$1.10

63-14706

Trans. of Annali [di] Chimica (Italy) 1956, v. 46,
p. 194-198.

DESCRIPTORS: *Polyvinyl chloride, *Vinyl radicals,
*Acetates, Mixtures, Chemical analysis, Reagents,
Ethylenes, Dioxides, Sodium compounds, Ethanols,
Hydrates, Silver compounds, Sulfates, Sulfuric acid.

The authors discuss a generalized method of saponifi-
cation to determine the percentage of vinyl chloride in
mixed polymers of vinyl chloride and vinyl acetate. All
the methods heretofore used and which lead to reproduc-
ible results for mixed polymers produced by solution or
(Chemistry--Analytical, TT, v. 10, no. 6) (over)

63-14706

I. Lardera, M. R.
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Office of Technical Services